



Attorney Docket No.: 59525 (71850)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**APPLICANT:** Ward R. Spears      **CONFIRMATION NO.:** 4359  
**U.S.S.N.:** 10/613,984      **GROUP ART UNIT:** 1774  
**FILED:** July 3, 2003      **EXAMINER:** Not Yet Known  
**FOR:** COMPOSITE FLYWHEEL RIM HAVING COMMINGLED LAYERS  
WITH MACROSCOPICALLY UNIFORM PATTERNS OF FIBER  
ARRANGEMENT AND METHODS FOR MANUFACTURING SAME

\*\*\*\*\*

**CERTIFICATE OF MAILING**

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on April 13, 2004.

By:

  
Rachelle Chery

\*\*\*\*\*

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

Dear Sir:

Pursuant to 37 C.F.R. §§ 1.97 and 1.98, applicant(s) hereby submit(s) an Information Disclosure Statement for consideration by the Examiner.

I. **LIST OF PATENTS, PUBLICATIONS OR OTHER INFORMATION**

The patents, publications or other information submitted for consideration by the Office are listed on PTO-1449, attached hereto. The citation of this information by Applicant(s) is not necessarily an admission that the information (1) qualifies as prior art by virtue of its date of publication/availability, and/or that (2) the information is relevant to the patentability of the claims of this application.

## II. COPIES

- a.        Submitted herewith is a legible copy of (i) each U.S and foreign patent; (ii) each publication or that portion which caused it to be listed; and (iii) all other information or that portion which caused it to be listed.
- b.   X   This application relies, under 35 U.S.C. § 120, on the earlier filing date of prior application Serial No. 09/952,151, filed on 9/13/01 and 09/952,283 filed on 9/13/01. The following references cited in the attached 1449 forms were submitted to, and/or cited by, the Office in the prior application. Applicants have enclosed copies of these references for Examiner's convenience.

## III. CONCISE EXPLANATION OF THE RELEVANCE

(check at least one box)

- a.   X   Except as may be indicated below in (b), all of the patents, publications or other information are in the English language or were cited in an English language Search Report, a copy of which is attached hereto (concise explanation not required).
- b.        A concise explanation of the relevance of all patents, publications or other information listed that is not in the English language is as follows:
- c.   X   The following additional information is provided for the Examiner's consideration:

(1) U.S. Patent Application Publication No. US 2002/008379 A1, which was filed on October 19, 2001, published on July 4, 2002, and relates to U.S. Provisional Patent Application No. 60/242,222, which was filed on October 20, 2000;

(2) European Patent Application No. EP 1 191 253 A1, which was filed on September 11, 2001, published on March 27, 2002, and claims priority to U.S. Provisional Patent Application No. 60/231,653, which was filed on September 11, 2000; and

(3) European Patent Application No. EP 1 199 493 A2, which was filed on October 22, 2001, was published on April 24, 2002, and claims priority to U.S. Provisional Patent Application No. 60/242,222, which was filed on October 20, 2000.

Applicants make no representations as to whether any of these publications (each of which was published before the filing date of this application, but after the filing date of both applications from which this application claims priority) is prior art. Applicants merely are bringing these publications to the Examiner's attention because they each relate to a U.S. Provisional Patent Application that was filed prior to the filing date of both this application and the applications from which this application claims priority.

**FEES**

IV. THIS IDS IS BEING FILED UNDER 37 C.F.R. § 1.97(b)  
(check one box)

- a. ☐ within three months of the filing date of a national application (37 C.F.R. § 1.97(b) (1). No fee or certification is required.
- b. ☐ within three months of the date of entry of the national stage as set forth in §1.491 in an international application (37 C.F.R. § 1.97(b) (2). No fee or certification is required.
- c. ☒ Before the mailing date of a first Action on the merits (37 C.F.R. § 1.97(b)(3)). No fee or certification is required. In the event that a first Office Action on the merits has been issued, please consider this IDS under 37 C.F.R. § 1.97(c) and see the certification under 37 C.F.R. § 1.97(e) below, or, if no certification has been made, charge our deposit account a fee in the amount of \$180.00 as required by 37 C.F.R. § 1.17(p).

V. THIS IDS IS BEING FILED UNDER 37 C.F.R. § 1.97(c):

before the mailing date of a Final Office Action under 37 C.F.R. § 1.113 (See 37 C.F.R. § 1.97(c) (1)) or before the mailing date of a Notice of Allowance under 37 C.F.R. § 1.311 (See 37 C.F.R. § 1.97(c) (2)).

- a. ☐ No certification; therefore, a fee in the amount of \$180.00 is required by 37 C.F.R. §1.17(p).
- or
- b. ☐ See the certification below. No fee is required.

VI. STATEMENT UNDER 37 C.F.R. § 1.97(e)

The undersigned hereby states that

- a. ☐ each item of information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application not more than three months prior to the filing of this IDS; or
- b. ☐ no item of information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application or, to the best of my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this statement.

c. \_\_\_\_\_ Some of the items of information were cited in a communication from a foreign Patent Office. As to this information, the undersigned certifies that each item of information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application not more than three months prior to the filing of this IDS. As to the remaining information, the undersigned hereby certifies that no item of this remaining information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application or, to the best of my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this statement.

\_\_\_\_\_ Please charge Deposit Account No. 04-1105 in the amount of \$180.00 for the above-indicated fee. A triplicate copy of this paper is attached.


  X   No fee is required.

If the Examiner has any questions concerning this IDS, he/she is requested to contact the undersigned. If it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this IDS under the proper rule, with a petition if necessary, and charge the appropriate fee to Deposit Account No. **04-1105**.

Respectfully submitted,

Date: April 13, 2004

By:



Richard J. Roos, Reg. No.: 45,053

Attorney for Applicant(s)

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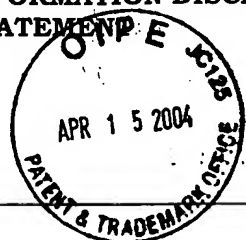
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Customer No.: 21874

<b>FORM PTO-1449</b>  <b>INFORMATION DISCLOSURE STATEMENT</b>	<b>DOCKET NO.:</b> 59525 (71850)	<b>SERIAL NO.:</b> 10/613,984
	<b>APPLICANT(S):</b> Ward R. Spears	
	<b>FILING DATE:</b> July 3,, 2003	<b>GROUP NO.:</b> 1774



**UNITED STATES PATENT DOCUMENTS**

EXAM. INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE
	AA	5,000,807	03/19/91	Stuart	156	166	07/10/89
	AB	5,182,839	02/02/93	Stuart	28	283	03/15/91
	AC	5,241,731	09/07/93	Stuart	28	282	10/19/92
	AD	5,580,627	12/03/96	Goodwin et al.	428	36.3	12/20/93
	AE	5,912,519	06/15/99	Horner et al.	310	74	04/07/98
	AF	6,150,742	11/21/00	Horner et al.	310	74	04/07/98
	AG	US 2002/0056782 A1	05/16/02	Gabrys	242	437.3	09/11/01
	AH	5,122,417	8/16/92	Murakami et al.	428	371	9/16/88
	AI	6,247,382	6/19/01	Umeki et al.	74	572	8/5/99
	AJ	6,299,718	10/9/01	Kimura et al.	156	173	6/6/99
	AK	4,187,738	2/12/80	Knight, Jr. et al.	74	573	5/10/78
	AL	5,285,699	2/15/94	Walls et al.	74	572	2/21/92
	AM	4,207,778	6/17/80	Hatch	74	572	10/30/78
	AN	4,285,251	8/25/81	Swartout	74	572	9/13/78
	AO	US 2002/0083791 A1	7/4/02	Detore et al.	74	572	10/19/01
	AP	US 2002/0049430 A1	3/13/03	Spears	428	293	9/13/01
	AQ	US 2002/0049429 A1	3/13/03	Spears et al.	428	293	9/13/01
	AR	US 2002/0061898 A1	4/3/03	Brackett et al.	74	572	9/13/02

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION YES/NO
	BA	EP 1 077 335 A1	21.08.2001	EUROPE	F16F	15/305	YES
*	BB	WO 03/026882 A1	3.4.03	PCT	B32B	15/04	

**EXAMINER:**

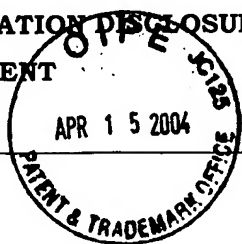
**DATE:**

BOS2\_441254.1

\* The PTO did not receive this document.

Customer No.: 21874

<b>FORM PTO-1449</b>  <b>INFORMATION DISCLOSURE STATEMENT</b>	<b>DOCKET NO:</b>	<b>SERIAL NO.:</b>
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## UNITED STATES PATENT DOCUMENTS

EXAM. INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AS	3,602,067	08/31/71	Wetherbee, Jr.	74	572	09/18/69
	AT	4,020,714	05/03/77	Rabenhorst	74	572	12/04/75
	AU	4,023,437	05/17/77	Rabenhorst	74	572	10/24/75
	AV	4,080,845	03/28/78	Hatch	74	572	09/17/76
	AW	4,370,899	02/01/83	Swartout	74	572	07/21/80
	AX	5,285,699	02/15/94	Walls, et al.	74	572	02/21/92
	AY	5,695,584	12/09/97	Gregoire	156	169	09/26/95
	AZ	5,811,900	09/22/98	Serdar, Jr., et al.	310	74	07/11/97
	AAA	6,138,527	10/31/00	Bitterly, et al.	74	572	03/23/98

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO
	BC	JP-2000-55134	02/22/00	Japan	F16F	15/305	Abstract
	BD	WO 02/01311 A1	01/03/02	PCT	G05G	3/00	

## OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

EXAMINER:	DATE:
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